

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/579,988
Source: IFWP
Date Processed by STIC: 6/1/06

ENTERED



IFWP

RAW SEQUENCE LISTING

DATE: 06/01/2006

PATENT APPLICATION: US/10/579,988

TIME: 14:22:48

Input Set : A:\252024 sequence.txt

Output Set: N:\CRF4\06012006\J579988.raw

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3 <110> APPLICANT: LEONARD, Warren J.
4     LIPSKY, Peter
5     MORSE, Herbert C.
6     ETTINGER, Catherine Rachel
7     SPOLSKI, Rosanne
9 <120> TITLE OF INVENTION: METHOD OF INDUCING MEMORY B CELL DEVELOPMENT AND TERMINAL
10    DIFFERENTIATION
12 <130> FILE REFERENCE: 252024
C--> 14 <140> CURRENT APPLICATION NUMBER: US/10/579,988
C--> 14 <141> CURRENT FILING DATE: 2006-05-19
14 <150> PRIOR APPLICATION NUMBER: PCT/US04/39135
15 <151> PRIOR FILING DATE: 2004-11-18
17 <150> PRIOR APPLICATION NUMBER: 60/523,754
18 <151> PRIOR FILING DATE: 2003-11-19
20 <160> NUMBER OF SEQ ID NOS: 16
22 <170> SOFTWARE: PatentIn version 3.3
24 <210> SEQ ID NO: 1
25 <211> LENGTH: 160
26 <212> TYPE: PRT
27 <213> ORGANISM: Homo sapiens
29 <400> SEQUENCE: 1
31 Met Arg Ser Ser Pro Gly Asn Met Glu Arg Ile Val Ile Cys Leu Met
32 1           5           10           15
35 Val Ile Phe Leu Gly Thr Leu Val His Lys Ser Ser Ser Gln Gly Gln
36           20           25           30
39 Asp Arg His Met Ile Arg Met Arg Gln Leu Ile Asp Ile Val Asp Gln
40           35           40           45
43 Leu Lys Asn Tyr Val Asn Asp Leu Val Pro Glu Phe Leu Pro Ala Pro
44           50           55           60
47 Glu Asp Val Glu Thr Asn Cys Glu Trp Ser Ala Phe Ser Cys Phe Gln
48 65           70           75           80
51 Lys Ala Gln Leu Lys Ser Ala Asn Thr Gly Asn Asn Glu Arg Ile Ile
52           85           90           95
55 Asn Val Ser Ile Lys Lys Leu Lys Arg Lys Pro Pro Ser Thr Asn Ala
56           100          105          110
59 Gly Arg Arg Gln Lys His Arg Leu Thr Cys Pro Ser Cys Asp Ser Tyr
60           115          120          125
63 Glu Lys Lys Pro Pro Lys Glu Phe Leu Glu Arg Phe Lys Ser Leu Leu
64           130          135          140
67 Gln Lys Met Ile His Gln His Leu Ser Ser Arg Thr His Gly Ser Glu
68 145          150          155          160
71 <210> SEQ ID NO: 2
72 <211> LENGTH: 146

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73 <212> TYPE: PRT

74 <213> ORGANISM: Mus musculus

76 <400> SEQUENCE: 2

78 Met Glu Arg Thr Leu Val Cys Leu Val Val Ile Phe Leu Gly Thr Val

79 1 5 10 15

82 Ala His Lys Ser Ser Pro Gln Gly Pro Asp Arg Leu Leu Ile Arg Leu

83 20 25 30

86 Arg His Leu Ile Asp Ile Val Glu Gln Leu Lys Ile Tyr Glu Asn Asp

87 35 40 45

90 Leu Asp Pro Glu Leu Leu Ser Ala Pro Gln Asp Val Lys Gly His Cys

91 50 55 60

94 Glu His Ala Ala Phe Ala Cys Phe Gln Lys Ala Lys Leu Lys Pro Ser

95 65 70 75 80

98 Asn Pro Gly Asn Asn Lys Thr Phe Ile Ile Asp Leu Val Ala Gln Leu

99 85 90 95

102 Arg Arg Arg Leu Pro Ala Arg Arg Gly Gly Lys Lys Gln Lys His Ile

103 100 105 110

106 Ala Lys Cys Pro Ser Cys Asp Ser Tyr Glu Lys Arg Thr Pro Lys Glu

107 115 120 125

110 Phe Leu Glu Arg Leu Lys Trp Leu Leu Gln Lys Met Ile His Gln His

111 130 135 140

114 Leu Ser

115 145

118 <210> SEQ ID NO: 3

119 <211> LENGTH: 30

120 <212> TYPE: DNA

121 <213> ORGANISM: Artificial

123 <220> FEATURE:

124 <223> OTHER INFORMATION: oligonucleotide probe/primer

126 <400> SEQUENCE: 3

127 cagtccacag taaggaagtg aaattaattt

130 <210> SEQ ID NO: 4

131 <211> LENGTH: 20

132 <212> TYPE: DNA

133 <213> ORGANISM: Artificial

135 <220> FEATURE:

136 <223> OTHER INFORMATION: oligonucleotide probe/primer

138 <400> SEQUENCE: 4

139 gaaaattcct agaaagcata

142 <210> SEQ ID NO: 5

143 <211> LENGTH: 22

144 <212> TYPE: DNA

145 <213> ORGANISM: Artificial

147 <220> FEATURE:

148 <223> OTHER INFORMATION: oligonucleotide probe/primer

150 <400> SEQUENCE: 5

151 acagaggccg agtttgaaga ga

154 <210> SEQ ID NO: 6

155 <211> LENGTH: 19

30

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156 <212> TYPE: DNA
157 <213> ORGANISM: Artificial
159 <220> FEATURE:
160 <223> OTHER INFORMATION: oligonucleotide probe/primer
162 <400> SEQUENCE: 6
163 aaggatgcct cggttgaa 19
166 <210> SEQ ID NO: 7
167 <211> LENGTH: 19
168 <212> TYPE: DNA
169 <213> ORGANISM: Artificial
171 <220> FEATURE:
172 <223> OTHER INFORMATION: oligonucleotide probe/primer
174 <400> SEQUENCE: 7
175 ccctgggatt ccggcgctg 19
178 <210> SEQ ID NO: 8
179 <211> LENGTH: 21
180 <212> TYPE: DNA
181 <213> ORGANISM: Artificial
183 <220> FEATURE:
184 <223> OTHER INFORMATION: oligonucleotide probe/primer
186 <400> SEQUENCE: 8
187 aaacgcaaga gggatgaagg t 21
190 <210> SEQ ID NO: 9
191 <211> LENGTH: 19
192 <212> TYPE: DNA
193 <213> ORGANISM: Artificial
195 <220> FEATURE:
196 <223> OTHER INFORMATION: oligonucleotide probe/primer
198 <400> SEQUENCE: 9
199 aacaggtctc cccgcatct 19
202 <210> SEQ ID NO: 10
203 <211> LENGTH: 21
204 <212> TYPE: DNA
205 <213> ORGANISM: Artificial
207 <220> FEATURE:
208 <223> OTHER INFORMATION: oligonucleotide probe/primer
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211 cacttccggg ccgggacttc c 21
214 <210> SEQ ID NO: 11
215 <211> LENGTH: 26
216 <212> TYPE: DNA
217 <213> ORGANISM: Artificial
219 <220> FEATURE:
220 <223> OTHER INFORMATION: oligonucleotide probe/primer
222 <400> SEQUENCE: 11
223 tcagagtatt cggttctag ctgtga 26
226 <210> SEQ ID NO: 12
227 <211> LENGTH: 18
228 <212> TYPE: DNA

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229 <213> ORGANISM: Artificial
231 <220> FEATURE:
232 <223> OTHER INFORMATION: oligonucleotide probe/primer
234 <400> SEQUENCE: 12
235 tgcagcgtgt gcctcttg 18
238 <210> SEQ ID NO: 13
239 <211> LENGTH: 27
240 <212> TYPE: DNA
241 <213> ORGANISM: Artificial
243 <220> FEATURE:
244 <223> OTHER INFORMATION: oligonucleotide probe/primer
246 <400> SEQUENCE: 13
247 tgcaacgaat gtgactgccg tttctct 27
250 <210> SEQ ID NO: 14
251 <211> LENGTH: 20
252 <212> TYPE: DNA
253 <213> ORGANISM: Artificial
255 <220> FEATURE:
256 <223> OTHER INFORMATION: oligonucleotide probe/primer
258 <400> SEQUENCE: 14
259 ttcaccacca tggagaaggc 20
262 <210> SEQ ID NO: 15
263 <211> LENGTH: 20
264 <212> TYPE: DNA
265 <213> ORGANISM: Artificial
267 <220> FEATURE:
268 <223> OTHER INFORMATION: oligonucleotide probe/primer
270 <400> SEQUENCE: 15
271 ggcatggact gtggtcatga 20
274 <210> SEQ ID NO: 16
275 <211> LENGTH: 26
276 <212> TYPE: DNA
277 <213> ORGANISM: Artificial
279 <220> FEATURE:
280 <223> OTHER INFORMATION: oligonucleotide probe/primer
282 <400> SEQUENCE: 16
283 tgcacacctgc accaccaact gcttag 26

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/579,988

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Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:3,4,5,6,7,8,9,10,11,12,13,14,15,16

VERIFICATION SUMMARY

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PATENT APPLICATION: US/10/579,988

TIME: 14:22:49

Input Set : A:\252024 sequence.txt

Output Set: N:\CRF4\06012006\J579988.raw

L:14 M:270 C: Current Application Number differs, Replaced Current Application No

L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date